

Ivan Ā imkovic

List of Publications by Year in descending order

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361296

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68
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68
docs citations

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times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexplored possibilities of all-polysaccharide composites. Carbohydrate Polymers, 2013, 95, 697-715.	5.1	87
2	What could be greener than composites made from polysaccharides?. Carbohydrate Polymers, 2008, 74, 759-762.	5.1	77
3	Primary reactions of sucrose thermal degradation. Journal of Analytical and Applied Pyrolysis, 2003, 70, 493-504.	2.6	54
4	Preparation of a weakly basic ion exchanger by crosslinking starch with epichlorohydrin in the presence of NH ₄ OH. Names are necessary to report factually on available data; however, the USDA neither guarantees nor warrants the standard of the product, and the use of the name by USDA implies no approval of the product to the exclusion of others that may also be suitable.. Carbohydrate Polymers, 1996, 30, 25-30.	5.1	53
5	Thermogravimetric/mass spectrometric characterization of the thermal decomposition of (4-O-methyl-D-glucurono)-D-xylan. Journal of Applied Polymer Science, 1988, 36, 721-728.	1.3	47
6	Application of Thermal Analysis to Elucidate Water Repellency Changes in Heated Soils. Soil Science Society of America Journal, 2008, 72, 1-10.	1.2	42
7	Preparation of ion exchangers from bagasse by crosslinking with epichlorohydrin-NH ₄ OH or epichlorohydrin-imidazole. Journal of Applied Polymer Science, 1997, 64, 2561-2566.	1.3	29
8	Preparation of water-soluble/insoluble derivatives of hyaluronic acid by cross-linking with epichlorohydrin in aqueous NaOH/NH ₄ OH solution. Carbohydrate Polymers, 2000, 41, 9-14.	5.1	29
9	Thermogravimetric analysis of agricultural residues: Oxygen effect and environmental impact. Journal of Applied Polymer Science, 2006, 100, 1318-1322.	1.3	28
10	Carboxymethylated-, hydroxypropylsulfonated- and quaternized xylan derivative films. Carbohydrate Polymers, 2014, 110, 464-471.	5.1	27
11	New Aspects in Cationization of Lignocellulose Materials. XI. Modification of Bagasse with Quarternary Ammonium Groups. Holzforschung, 1990, 44, 113-116.	0.9	26
12	Modification of corn cob meal with quarternary ammonium groups. Carbohydrate Polymers, 1992, 17, 285-288.	5.1	25
13	Quaternized and sulfated xylan derivative films. Carbohydrate Polymers, 2014, 99, 356-364.	5.1	25
14	New aspects in cationization of lignocellulose materials. I. Preparation of lignocellulose materials containing quarternary ammonium groups. Journal of Applied Polymer Science, 1984, 29, 637-642.	1.3	24
15	New aspects in cationization of lignocellulose materials. II. Distribution of functional groups in lignin, hemicellulose, and cellulose components. Journal of Applied Polymer Science, 1984, 29, 643-650.	1.3	24
16	Cross-linking of starch with 1, 2, 3, 4-diepoxybutane or 1, 2, 7, 8-diepoxyoctane. Carbohydrate Polymers, 2004, 55, 299-305.	5.1	24
17	Flame retardance of insolubilized silica inside of wood material. Journal of Applied Polymer Science, 2005, 97, 1948-1952.	1.3	24
18	Positively and negatively charged xylan films. Carbohydrate Polymers, 2011, 83, 769-775.	5.1	24

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19	One-step quaternization/crosslinking of starch with 3-chloro-2-hydroxypropylammonium chloride/epichlorohydrin in the presence of NH ₄ OH. <i>Carbohydrate Polymers</i> , 1996, 31, 47-51.	5.1	22
20	Preparation of anion exchangers from beech sawdust and wheat straw. <i>Industrial Crops and Products</i> , 1999, 10, 167-173.	2.5	22
21	Xylan sulphate films. <i>Carbohydrate Polymers</i> , 2011, 86, 214-218.	5.1	21
22	Amidated pectin derivatives with n-propyl-, 3-aminopropyl-, 3-propanol- or 7-aminoheptyl-substituents. <i>Carbohydrate Polymers</i> , 2009, 76, 602-606.	5.1	19
23	ESR Study of Soda Waste Liquors. <i>Holzforschung</i> , 1986, 40, 15-18.	0.9	17
24	Fractionation of sugar beet pulp by introducing ion-exchange groups. <i>Carbohydrate Polymers</i> , 2009, 78, 806-812.	5.1	17
25	E.S.R. study of alkaline, oxidative degradation of saccharides. Identification of 2,5-dihydroxy-p-benzosemiquinone. <i>Carbohydrate Research</i> , 1983, 116, 263-269.	1.1	16
26	A ¹³ C-n.m.r. study of the alkaline degradation products of polysaccharides. <i>Carbohydrate Research</i> , 1986, 152, 137-141.	1.1	16
27	Composite films prepared from agricultural by-products. <i>Carbohydrate Polymers</i> , 2017, 156, 77-85.	5.1	16
28	Acetylation of (4-O-methyl-d-glucurono)-d-xylan under homogeneous conditions using trifluoroacetic acid-acetic anhydride. <i>Carbohydrate Research</i> , 1990, 201, 346-348.	1.1	14
29	Branched arabinan obtained from sugar beet pulp by quaternization under acidic conditions. <i>Carbohydrate Polymers</i> , 2010, 82, 815-821.	5.1	14
30	Semiquinones formed during alkaline, oxidative degradation of saccharides. <i>Carbohydrate Research</i> , 1985, 142, 127-131.	1.1	13
31	Thermal degradation of cellulose model compounds in inert atmosphere. <i>Journal of Applied Polymer Science</i> , 1986, 31, 2433-2441.	1.3	13
32	TG/DTG/DTA evaluation of flame retarded cotton fabrics and comparison to cone calorimeter data. <i>Carbohydrate Polymers</i> , 2012, 90, 976-981.	5.1	13
33	Influence of anionic form on thermal degradation of TMAHPâ€“cellulose. <i>Journal of Applied Polymer Science</i> , 1985, 30, 4707-4711.	1.3	12
34	Thermal degradation of model compounds with blocked hemiacetal group related to (4-O-methyl-D-glucurono)-D-xylan. <i>Journal of Applied Polymer Science</i> , 1987, 33, 1473-1477.	1.3	11
35	Chemical modification of corn fiber with ion-exchanging groups. <i>Carbohydrate Polymers</i> , 2009, 76, 250-254.	5.1	10
36	Extraction and characterization of polysaccharide films prepared from <i>Furcellaria lumbricalis</i> and <i>Gigartina skottsbergii</i> seaweeds. <i>Cellulose</i> , 2021, 28, 9567-9588.	2.4	10

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37	New aspects in cationization of lignocellulose materials. IX. Flame retardancy effect of modification with nitrogen and sulfur containing groups. <i>Journal of Applied Polymer Science</i> , 1987, 34, 1057-1061.	1.3	9
38	One-step introduction of amine and ammonium groups and cross linking of polygalacturonic acid. <i>Carbohydrate Polymers</i> , 1997, 32, 1-6.	5.1	9
39	Flammability studies of sodium thiosulphate or metabisulphite impregnated wood using cone calorimeter. <i>Fire and Materials</i> , 2007, 31, 137-145.	0.9	9
40	New aspects in cationization of lignocellulose materials. III. Influence of delignification on reactivity and extractability of TMAHPâ€™hemicelluloses. <i>Journal of Applied Polymer Science</i> , 1986, 31, 303-308.	1.3	8
41	Alkaline degradation of model compounds related to (4-O-methyl-d-glucurono)-d-xylan. <i>Carbohydrate Research</i> , 1986, 152, 131-136.	1.1	8
42	Modification of polygalacturonic acid hydroxyls with trimethylammonium- and/or sulfonate-2-hydroxypropyl group. <i>Carbohydrate Polymers</i> , 2008, 74, 611-616.	5.1	8
43	Cationization of heparin for film applications. <i>Carbohydrate Polymers</i> , 2015, 115, 551-558.	5.1	8
44	Effect of pretreatment on pyrolysis-field ionization mass spectrometric data of (4-O-methyl-d-glucurono)-d-xylan from beech wood. <i>Biomass and Bioenergy</i> , 1993, 4, 373-378.	2.9	7
45	Thermal Degradation and Thermooxidation of O-Acetyl-(4-O-methyl-D-glucurono)-D-xylan and Related Derivatives. <i>Holzforschung</i> , 1995, 49, 512-516.	0.9	7
46	Influence of anionic form on thermooxidation of TMAHPâ€™cellulose. <i>Journal of Applied Polymer Science</i> , 1985, 30, 4713-4721.	1.3	6
47	New aspects in cationization of lignocellulose materials. X. Thermooxidation of TMAHPâ€™sawdust. <i>Journal of Applied Polymer Science</i> , 1989, 38, 1913-1917.	1.3	6
48	Fractionation of wheat straw meal after pretreatment with acidified zinc chloride solutions. <i>Carbohydrate Polymers</i> , 1994, 23, 111-114.	5.1	6
49	Flame-retarding properties of ion-exchanging groups introduced into beech sawdust. <i>Fire and Materials</i> , 1998, 22, 149-154.	0.9	6
50	Preparation of ion-exchangers by cross-linking of starch or polygalacturonic acid with 1,3-bis(3-chloro-2-hydroxypropyl)imidazolium hydrogen sulphate. <i>Carbohydrate Polymers</i> , 2002, 47, 131-136.	5.1	6
51	New aspects in cationization of lignocellulose materials. IV. Modification of aspen wood meal with quaternary ammonium groups. <i>Journal of Applied Polymer Science</i> , 1986, 31, 621-625.	1.3	5
52	Thermogravimetric study of flame-retarding properties on phosphorylated beech sawdust. <i>Polymer Degradation and Stability</i> , 2003, 80, 519-523.	2.7	5
53	Flame retarded composite panels from sugar beet residues. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1445-1455.	2.0	5
54	Flammability studies of impregnated paper sheets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 519-526.	2.0	5

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55	Quaternization/cross linking of starch with choline chloride/epichlorohydrin. Carbohydrate Polymers, 1997, 34, 21-23.	5.1	4
56	Thermogravimetric study of starch derivatives with amine/ammonium ion-exchanging groups in oxidative environment. Carbohydrate Polymers, 2002, 49, 509-513.	5.1	4
57	New aspects in cationization of lignocellulose materials. VII. Modification of spruce wood meal with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 33, 2651-2656.	1.3	3
58	Increased Extractability of Irradiated Wood Meal. Holzforschung, 1991, 45, 229-232.	0.9	3
59	New aspects in cationization of lignocellulose materials. VI. Modification of steam-exploded aspen wood chips with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 34, 1779-1783.	1.3	2
60	New aspects in cationization of lignocellulose materials. VIII. Modification of immitted spruce wood with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 34, 2063-2068.	1.3	2
61	Flame Retardancy Effect of Elemental Sulphur Caused by Covering the Lignocellulose Materials. Holzforschung, 1991, 45, 367-370.	0.9	2
62	Interfaces study of all-polysaccharide composite films. Chemical Papers, 2018, 72, 711-718.	1.0	2
63	New aspects in cationization of lignocellulose materials. V. Modification of rotten aspen wood meal with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 33, 1955-1961.	1.3	1
64	Evaluation of the phytomass source for composite preparation. Journal of Applied Polymer Science, 2013, 127, 508-515.	1.3	1
65	Heparin composition: calculation based on elemental analysis and NMR data. Chemical Papers, 2020, 74, 349-355.	1.0	1
66	Thermooxidation of TMAHP-cellulose in dependance to its anionic form. Thermochemica Acta, 1985, 93, 421-424.	1.2	0
67	Enolate semiquinones formed during the alkaline oxidative degradation of 2-deoxy sugars. Carbohydrate Research, 1991, 212, 273-276.	1.1	0